Status of digital pixel

Tianya Wu

CEPC MOST2 Chips Meeting

twu@ifae.es

23-04-2019





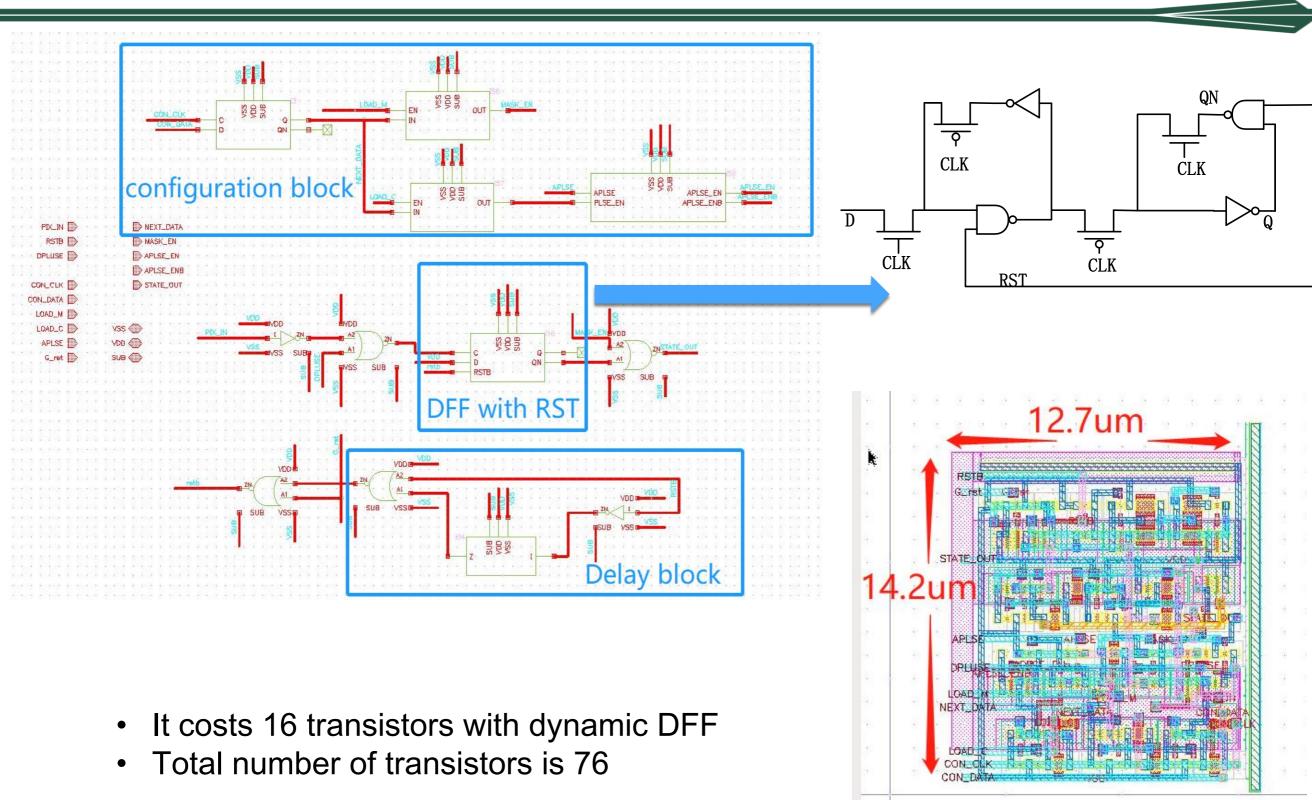


Barcelona Institute of Science and Technolog



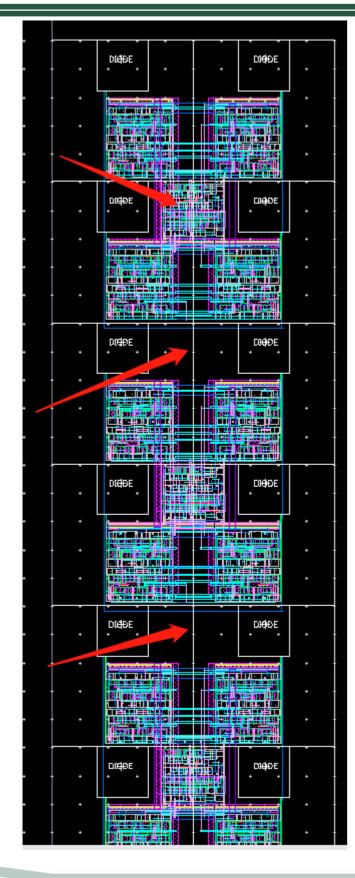


Final digital cell scheme based on ALPIDE





Layout strategy of double column



- Finish the 4 pixels standard block with LVS clean.
- The first level encoder will in the center of 4 pixels.
- One double column with 128 pixels, it will cost 43 standard encoder cells with 4 levels and 7 bits address.
- The rest of room will be used to add higher level encoder and extra logics.



Thanks for your attention.